

# SERVICE MANUAL

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COMPACT DISC STEREO  
RADIO CASSETTE RECORDER

BASIC TAPE MECHANISM : TN-21ZVC-1812  
BASIC CD MECHANISM : DA-11T3C

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This Service Manual is the "Revision Publishing" and replaces "Simple Manual"  
(S/M Code No. 09-994-327-3T3).

# SPECIFICATIONS

## HR, HC MODELS

### **Tuner section**

Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna,  
AM: 530 - 1,605 kHz Ferrite bar antenna

### **Deck section**

Track format — 4 tracks, 2 channels / Frequency range — Normal tape:  
50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system —  
Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

### **CD player section**

Disc — Compact disc / Scanning method — Non-contact optical scanner  
(semiconductor laser)

### **General**

Speaker — 80 mm cone type (2) / Output — Headphones jack (stereo  
mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10%),  
1.9 W + 1.9 W (DIN 1% Rated Power) / Power requirements — DC 12 V  
using eight size C (R14) batteries, AC 110 - 120 V/220 - 240 V  
switchable, 50/60 Hz / Power consumption — 14 W / Dimensions — 310  
(W) × 156 (H) × 253 (D) mm / Weight (excluding batteries) — 2.6 kg

- Design and specifications are subject to change without notice.

## U2 MODEL

### **Tuner section**

Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna,  
AM: 530 - 1,710 kHz Ferrite bar antenna

### **Deck section**

Track format — 4 tracks, 2 channels / Frequency range — Normal tape:  
50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system —  
Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

### **CD player section**

Disc — Compact disc / Scanning method — Non-contact optical scanner  
(semiconductor laser)

### **General**

Speaker — 80 mm cone type (2) / Output — Headphones jack (stereo  
mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10%) /  
Power requirements — DC 12 V using eight size C (R14) batteries, AC  
120 V, 60 Hz / Power consumption — 15 W / Dimensions — 310 (W) ×  
156 (H) × 253 (D) mm (12<sup>1</sup>/<sub>4</sub> × 6<sup>1</sup>/<sub>4</sub> × 10 in.) / Weight (excluding  
batteries) — 2.6 kg (5 lbs. 12 oz.)

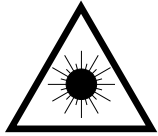
- Design and specifications are subject to change without notice.

## PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

### WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

### VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainituilla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

### WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### ATTENTION

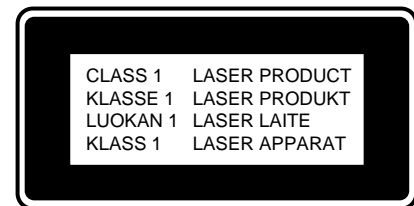
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

### ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

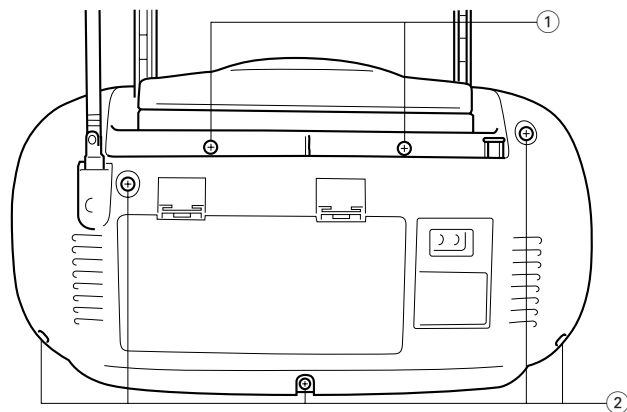
This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

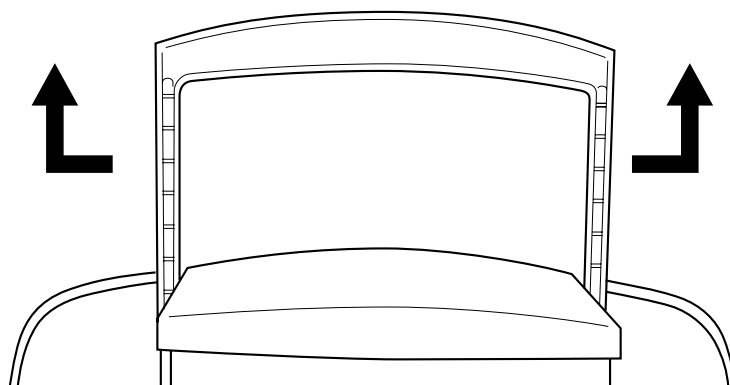


## DISASSEMBLY INSTRUCTIONS

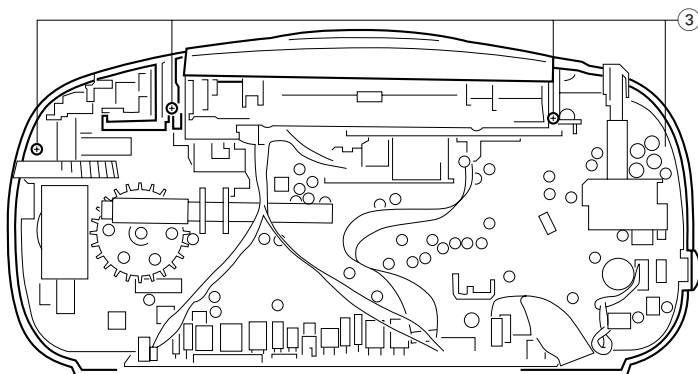
1. Remove the screws ① (V+3-10 GLD×2), ② (UT2+3-6×5) from the rear cabinet.



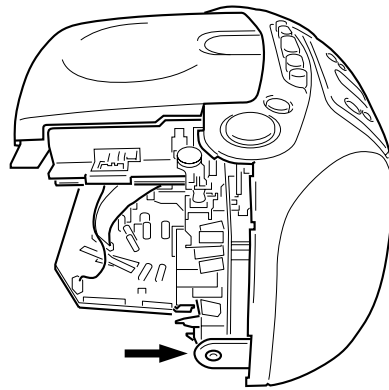
2. While pressing down the Q sound button, remove the rear cabinet .  
Open the hanger wide to the right and left, and remove it.



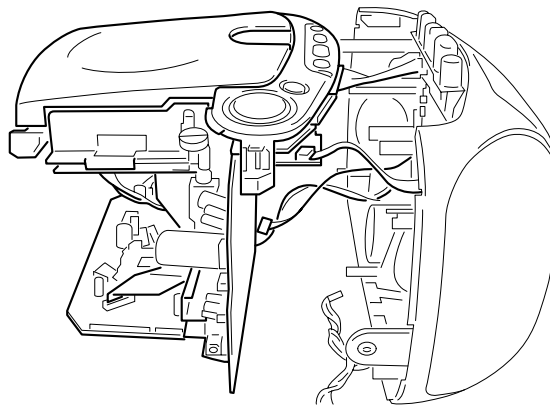
3. Remove the screws ③ (V+3-10 GLD×4).



4. Put the part of front cabinet shown by the arrow away from the H.P jack



5. Remove the CD block, the main board, and others from the front cabinet.



# ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C25	87-010-188-080		CAP,CHIP 6800P<U>
	87-A20-955-010	IC,LA1828		C26	87-016-460-080		C-CAP,S 0.22-16 B
	87-070-416-010	IC,NJU7201 L55		C27	87-016-460-080		C-CAP,S 0.22-16 B
	87-A21-111-040	C-IC,M62495FP		C28	87-010-194-080		CAP, CHIP 0.047
	87-A20-946-040	C-IC,MM1434XF		C29	87-010-194-080		CAP, CHIP 0.047
	87-A21-193-010	IC,TA8227P		C30	87-010-248-080		CAP, ELECT 220-10V
	87-A21-145-040	C-IC,BA4560F-E2		C31	87-010-379-080		CAP, ELECT 22-16V
	87-A20-446-010	C-IC,LA9241ML		C32	87-010-197-080		CAP, CHIP 0.01 DM
	87-A20-459-010	C-IC,LC78622ED		C33	87-010-197-080		CAP, CHIP 0.01 DM
	87-A20-856-010	IC,BA6898S		C34	87-010-197-080		CAP, CHIP 0.01 DM
	8Z-CDB-651-010	C-IC,LC865516A-5L84		C37	87-012-155-080		C-CAP 180P-50CH
TRANSISTOR				C38	87-010-318-080		C-CAP,S 47P-50 CH
	89-319-233-080	TR,2SC1923 (0.1W)		C91	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-572-080	TR,DTA114TS		C92	87-010-178-080		CHIP CAP 1000P
	87-026-215-080	TR,DTC114YS		C97	87-018-134-080		CAPACITOR,TC-U 0.01-16<U>
	87-026-291-080	TR,DTC124XS		C98	87-010-197-080		CAP, CHIP 0.01 DM<U>
	89-318-154-080	TR,2SC1815 (0.4W)		C203	87-010-401-080		CAP, ELECT 1-50V
	89-113-184-080	TR,2SA1318T		C204	87-010-221-080		CAP, ELECT 470-10V
	89-112-965-080	TR,2SA1296 (0.75W)		C205	87-010-263-080		CAP, ELECT 100-10V
	87-026-463-080	TR,2SA933S (0.3W)		C206	87-010-248-080		CAP, ELECT 220-10V
	89-320-011-080	TR,2SC2001 (15W)		C206	87-010-248-080		CAP, ELECT 220-10V
	89-318-155-080	TR,2SC1815 (0.4W)		C210	87-010-198-080		CAP, CHIP 0.022
	87-026-462-080	TR,2SC1740 S(RS 0.3W)		C211	87-010-260-080		CAP, ELECT 47-25V
	89-110-155-080	TR,2SA1015(0.4W)		C212	87-010-198-080		CAP, CHIP 0.022
	87-026-496-080	FET,2SJ103GR		C220	87-016-495-090		CAP,E 3300-25 SMG
	89-328-786-080	TR,2SC2878B		C230	87-010-405-080		CAP, ELECT 10-50V
	87-026-217-080	TR,DTC124ES		C231	87-010-404-080		CAP, ELECT 4.7-50V<HR,HC>
	87-026-235-080	CHIP-TR,DTC114EK		C232	87-010-263-080		CAP, ELECT 100-10V
	87-026-211-080	TR,DTA144EK		C233	87-010-197-080		CAP, CHIP 0.01 DM
	87-026-447-080	TR,2SC1740S R		C234	87-010-263-080		CAP, ELECT 100-10V
DIODE				C261	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-020-465-080	DIODE,1SS133 (110MA)		C262	87-010-384-080		CAP, ELECT 100-25V
	87-017-162-080	ZENER,HZS7C3L		C263	87-010-385-080		CAP, ELECT 220-25V
	87-017-148-080	ZENER,HZS6A1L		C264	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-070-136-080	ZENER,MTZJ5.1B		C265	87-010-236-080		CAP,E 1000-10 SME
	87-027-399-080	ZENER,HZ7A3L (200MA)<U>		C301	87-010-405-080		CAP, ELECT 10-50V
	87-027-607-080	ZENER,HZ7B3L<HR,HC>		C302	87-010-405-080		CAP, ELECT 10-50V
	87-017-139-010	ZENER,HZS15-2		C303	87-010-405-080		CAP, ELECT 10-50V
	87-A40-466-080	ZENER,MTZJ2.7A		C304	87-010-404-080		CAP, ELECT 4.7-50V
	87-A40-465-090	DIODE,FR202		C305	87-010-213-080		C-CAP,S 0.015-50 B
MAIN C.B				C306	87-010-546-080		CAP, ELECT 0.33-50V
C1	87-010-314-080	C-CAP,S 22P-50V		C307	87-010-544-080		CAP, ELECT 0.1-50V
C2	87-010-316-080	C-CAP,S 33P-50 CH		C308	87-010-260-080		CAP, ELECT 47-25V
C3	87-010-314-080	C-CAP,S 22P-50V		C309	87-010-263-080		CAP, ELECT 100-10V
C5	87-010-151-080	C-CAP,S 7P-50 CH		C310	87-010-544-080		CAP, ELECT 0.1-50V
C6	87-010-378-080	CAP, ELECT 10-16V		C311	87-010-546-080		CAP, ELECT 0.33-50V
C7	87-018-208-080	CAP 0.047-50F		C312	87-010-213-080		C-CAP,S 0.015-50 B
C8	87-010-197-080	CAP, CHIP 0.01 DM		C313	87-010-404-080		CAP, ELECT 4.7-50V
C9	87-010-154-080	CAP CHIP 10P		C314	87-010-405-080		CAP, ELECT 10-50V
C10	87-010-197-080	CAP, CHIP 0.01 DM		C315	87-010-405-080		CAP, ELECT 10-50V
C12	87-010-314-080	C-CAP,S 22P-50V		C316	87-010-405-080		CAP, ELECT 10-50V
C13	87-010-148-080	CAP, CHIP S 75P SL		C317	87-010-401-080		CAP, ELECT 1-50V
C14	87-010-400-080	CAP, ELECT 0.47-50V		C318	87-010-401-080		CAP, ELECT 1-50V
C15	87-010-197-080	CAP, CHIP 0.01 DM		C319	87-010-197-080		CAP, CHIP 0.01 DM
C16	87-010-178-080	CHIP CAP 1000P		C320	87-010-405-080		CAP, ELECT 10-50V
C17	87-016-669-080	C-CAP,S 0.1-25 K B		C321	87-010-260-080		CAP, ELECT 47-25V
C18	87-016-460-080	C-CAP,S 0.22-16 B		C322	87-010-402-080		CAP, ELECT 2.2-50V
C19	87-010-544-080	CAP, ELECT 0.1-50V		C325	87-010-400-080		CAP, ELECT 0.47-50V
C20	87-010-400-080	CAP, ELECT 0.47-50V		C326	87-010-400-080		CAP, ELECT 0.47-50V
C21	87-010-403-080	CAP, ELECT 3.3-50V		C329	87-010-401-080		CAP, ELECT 1-50V
C22	87-010-197-080	CAP, CHIP 0.01 DM		C330	87-010-197-080		CAP, CHIP 0.01 DM
C24	87-010-197-080	CAP, CHIP 0.01 DM<HR,HC>		C331	87-010-197-080		CAP, CHIP 0.01 DM
C24	87-010-188-080	CAP,CHIP 6800P<U>		C332	87-010-197-080		CAP, CHIP 0.01 DM
C25	87-010-197-080	CAP, CHIP 0.01 DM<HR,HC>		C333	87-010-197-080		CAP, CHIP 0.01 DM
				C334	87-010-404-080		CAP, ELECT 4.7-50V
				C335	87-010-401-080		CAP, ELECT 1-50V
				C336	87-010-401-080		CAP, ELECT 1-50V
				C337	87-010-178-080		CHIP CAP 1000P
				C338	87-010-384-080		CAP, ELECT 100-25V
				C339	87-010-404-080		CAP, ELECT 4.7-50V

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C340	87-010-401-080		CAP, ELECT 1-50V	PVC1	87-A91-318-010		TUN-CAP,20P-140P E(TWD)<HR,HC>
C341	87-010-178-080		CHIP CAP 1000P	PVC1	87-A91-316-010		TUN-CAP,20P-160P U(TWD)<U>
C342	87-010-384-080		CAP, ELECT 100-25V	S1	87-A91-174-010		SW,SL 2-4-2 SK42H01G06
C343	87-010-384-080		CAP, ELECT 100-25V	S301	87-A90-815-010		SW,PUSH 2-2-6 SPUN19-S-501
C344	87-010-384-080		CAP, ELECT 100-25V	S410	87-A91-173-010		SW,SL 2-2-3 SK23E01G04
C345	87-010-384-080		CAP, ELECT 100-25V				
C346	87-010-235-080		CAP,E 470-16 SME	CD C.B			
C347	87-010-384-080		CAP, ELECT 100-25V				
C348	87-010-235-080		CAP,E 470-16 SME				
C351	87-010-401-080		CAP, ELECT 1-50V	C501	87-010-197-080		CAP, CHIP 0.01 DM
				C502	87-010-221-080		CAP, ELECT 470-10V
C355	87-010-384-080		CAP, ELECT 100-25V	C503	87-010-221-080		CAP, ELECT 470-10V
C401	87-010-178-080		CHIP CAP 1000P	C504	87-010-197-080		CAP, CHIP 0.01 DM
C402	87-012-157-080		C-CAP,S 330P-50 CH	C506	87-010-196-080		CHIP CAPACITOR,0.1-25
C403	87-012-157-080		C-CAP,S 330P-50 CH				
C407	87-010-248-080		CAP, ELECT 220-10V	C507	87-010-196-080		CHIP CAPACITOR,0.1-25
				C508	87-A10-381-080		CAP,E 1000-10 RE
C410	87-010-402-080		CAP, ELECT 2.2-50V	C509	87-010-197-080		CAP, CHIP 0.01 DM
C411	87-010-177-080		C-CAP,S 820P-50 SL	C510	87-010-197-080		CAP, CHIP 0.01 DM
C412	87-010-402-080		CAP, ELECT 2.2-50V	C511	87-010-263-080		CAP, ELECT 100-10V
C413	87-012-158-080		C-CAP,S 390P-50 CH				
C415	87-010-406-080		CAP, ELECT 22-50	C513	87-010-196-080		CHIP CAPACITOR,0.1-25
				C514	87-010-196-080		CHIP CAPACITOR,0.1-25
C416	87-010-404-080		CAP, ELECT 4.7-50V	C515	87-012-157-080		C-CAP,S 330P-50 CH
C417	87-010-384-080		CAP, ELECT 100-25V	C516	87-010-545-080		CAP, ELECT 0.22-50V
C418	87-010-402-080		CAP, ELECT 2.2-50V	C525	87-010-176-080		C-CAP,S 680P-50 SL
C419	87-010-177-080		C-CAP,S 820P-50 SL				
C420	87-012-158-080		C-CAP,S 390P-50 CH	C527	87-010-186-080		CAP,CHIP 4700P
				C528	87-012-156-080		C-CAP,S 220P-50 CH
C422	87-010-406-080		CAP, ELECT 22-50	C529	87-010-545-080		CAP, ELECT 0.22-50V
C423	87-010-404-080		CAP, ELECT 4.7-50V	C530	87-012-140-080		CAP 470P
C424	87-010-194-080		CAP, CHIP 0.047	C531	87-010-374-080		CAP, ELECT 47-10V
C425	87-010-177-080		C-CAP,S 820P-50 SL				
C426	87-010-186-080		CAP,CHIP 4700P	C532	87-010-401-080		CAP, ELECT 1-50V
				C533	87-010-184-080		CHIP CAPACITOR 3300P(K)
C427	87-010-404-080		CAP, ELECT 4.7-50V	C535	87-010-147-080		C-CAP,S 3P-50 CH
C428	87-010-260-080		CAP, ELECT 47-25V	C536	87-010-314-080		C-CAP,S 22P-50 CH
C429	87-012-153-080		C-CAP,S 120P-50 CH	C538	87-010-196-080		CHIP CAPACITOR,0.1-25
C430	87-010-213-080		C-CAP,S 0.015-50 B				
C431	87-010-405-080		CAP, ELECT 10-50V	C539	87-010-404-080		CAP, ELECT 4.7-50V
				C540	87-010-196-080		CHIP CAPACITOR,0.1-25
C433	87-010-177-080		C-CAP,S 820P-50 SL	C541	87-010-405-080		CAP, ELECT 10-50V
C434	87-010-186-080		CAP,CHIP 4700P	C543	88-700-850-081		CAP, NYLAR 0.047
C435	87-010-404-080		CAP, ELECT 4.7-50V	C544	88-700-920-810		CAP 0.15 MF50V
C436	87-012-153-080		C-CAP,S 120P-50 CH				
C437	87-010-213-080		C-CAP,S 0.015-50 B	C545	87-010-197-080		CAP, CHIP 0.01 DM
				C546	87-010-374-080		CAP, ELECT 47-10V
C438	87-010-405-080		CAP, ELECT 10-50V	C547	87-010-263-080		CAP, ELECT 100-10V
C442	87-010-405-080		CAP, ELECT 10-50V	C548	87-010-248-080		CAP, ELECT 220-10V
C445	87-010-194-080		CAP, CHIP 0.047	C549	87-010-198-080		CAP, CHIP 0.022
C490	87-010-322-080		C-CAP,S 100P-50 CH				
C491	87-010-322-080		C-CAP,S 100P-50 CH	C550	87-010-374-080		CAP, ELECT 47-10V
				C551	87-010-178-080		CHIP CAP 1000P
CF1	87-A90-128-010		FLTR,AM IF CFAL-455	C552	87-010-197-080		CAP, CHIP 0.01 DM
CF2	82-785-747-080		CF,MS2 GHY,R	C553	87-010-248-080		CAP, ELECT 220-10V
CF3	82-785-747-080		CF,MS2 GHY,R	C554	87-010-263-080		CAP, ELECT 100-10V
CN210	87-049-919-010		CONN,3P EH V WHT				
CN220	87-049-469-010		CONN,4P V	C555	87-010-403-080		CAP, ELECT 3.3-50V
				C556	87-010-197-080		CAP, CHIP 0.01 DM
CN230	87-099-572-010		CONN,15P TUC-P15P-B1	C557	87-010-196-080		CHIP CAPACITOR,0.1-25
CN320	87-049-469-010		CONN,4P V	C558	87-010-197-080		CAP, CHIP 0.01 DM
CN330	87-009-031-010		CONNECTOR, 3P	C559	87-010-315-080		C-CAP,S 27P-50 CH
CN410	87-049-469-010		CONN,4P V				
CN420	87-009-030-010		CONNECTOR 2P PH M	C560	87-010-263-080		CAP, ELECT 100-10V
				C561	88-700-910-081		MYLAR,0.1
D3	87-A40-226-080		VARI-CAP,SVC251SPA	C562	87-010-196-080		CHIP CAPACITOR,0.1-25
J301	87-009-216-010		JACK, DIA 3.5	C563	87-012-156-080		C-CAP,S 220P-50 CH
L2	87-A50-347-010		COIL,FM BPF EX<U>	C564	87-018-121-080		CAP, CER 150P-50V
L3	87-A50-350-010		COIL,BAR ANT AMN (COI)<HR,HC>				
L3	87-A50-349-010		COIL,BAR ANT AMW (COI)<U>	C565	87-010-263-080		CAP, ELECT 100-10V
				C566	87-010-196-080		CHIP CAPACITOR,0.1-25
L4	87-A50-345-010		COIL,FM RF EX	C569	87-010-404-080		CAP, ELECT 4.7-50V
L5	87-A50-343-010		COIL,FM OSC EX<HR,HC>	C570	87-018-134-080		CAPACITOR,TC-U 0.01-16<U>
L5	87-A50-449-010		COIL,FM OSC U<U>	C571	87-010-248-080		CAP, ELECT 220-10V
L6	87-A50-337-010		COIL,AM OSC (TOKO)				
L7	87-A50-336-010		COIL,AM IFT (TOKO)	C572	87-010-196-080		CHIP CAPACITOR,0.1-25
				C573	87-010-196-080		CHIP CAPACITOR,0.1-25
L8	87-A50-335-010		COIL,FM IFT (TOKO)	C575	87-010-312-080		C-CAP,S 15P-50 CH
L9	87-A50-334-010		COIL,FM DET (TOKO)	C576	87-010-312-080		C-CAP,S 15P-50 CH
L10	87-003-102-080		COIL, 10UH	C578	87-018-134-080		CAPACITOR,TC-U 0.01-16
L310	87-003-098-010		COIL 2.2UH<U>				
L401	87-007-342-010		COIL,OSC 85K BIAS	C579	87-010-263-080		CAP, ELECT 100-10V
				C582	87-010-196-080		CHIP CAPACITOR,0.1-25

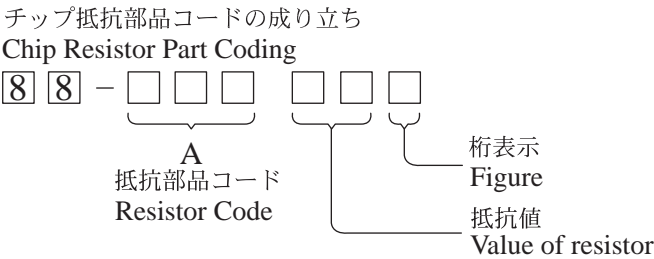
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C583	87-010-405-080		CAP, ELECT 10-50V
C584	87-012-156-080		C-CAP,S 220P-50 CH
C585	87-010-405-080		CAP, ELECT 10-50V
C586	87-012-156-080		C-CAP,S 220P-50 CH
C587	87-010-322-080		C-CAP,S 100P-50 CH
C589	87-010-322-080		C-CAP,S 100P-50 CH
C590	87-010-322-080		C-CAP,S 100P-50 CH
C591	87-010-322-080		C-CAP,S 100P-50 CH
C592	87-010-322-080		C-CAP,S 100P-50 CH
C593	87-010-196-080		CHIP CAPACITOR,0.1-25
C601	87-010-313-080		CAP, CHIP 18P
C602	87-010-313-080		CAP, CHIP 18P
C603	87-010-197-080		CAP, CHIP 0.01 DM
C604	87-010-196-080		CHIP CAPACITOR,0.1-25
C605	87-010-385-080		CAP, ELECT 220-25V
C611	87-010-401-080		CAP, ELECT 1-50V
C612	87-010-400-080		CAP, ELECT 0.47-50V
C640	87-010-197-080		CAP, CHIP 0.01 DM
C641	87-010-197-080		CAP, CHIP 0.01 DM
C644	87-018-134-080		CAPACITOR,TC-U 0.01-16
C655	87-010-178-080		CHIP CAP 1000P
C656	87-015-627-080		C-CAP,1000P-50 B
C657	87-010-197-080		CAP, CHIP 0.01 DM
C658	87-015-819-080		CAPACITOR,0.01
C659	87-010-178-080		CHIP CAP 1000P
C660	87-010-405-080		CAP, ELECT 10-50V
C685	87-010-317-080		C-CAP,S 39P-50 CH
C686	87-010-319-080		C-CAP,S 56P-50 CH
C690	87-010-312-080		C-CAP,S 15P-50 CH
CN520	87-A60-424-010		CONN,16P V TOC-B
CN610	87-099-751-010		CONN,16P V 9604SC
CN630	87-009-030-010		CONNECTOR 2P PH M
CN640	87-099-561-010		CONN,15P TUC-P15X-B1
L501	87-003-102-080		COIL, 10UH
L502	87-003-226-080		MICRO INDUCTOR 100UJ
L504	87-003-102-080		COIL, 10UH
L505	87-003-226-080		MICRO INDUCTOR 100UJ<U>
L590	87-003-102-080		COIL, 10UH<U>
L591	87-008-372-010		FILTER, EMI BL OIRNI<U>
L592	87-003-226-080		MICRO INDUCTOR 100UJ
L593	87-003-102-080		COIL, 10UH<U>
L601	87-003-143-080		COIL 4.7 UH
L602	87-008-372-010		FILTER, EMI BL OIRNI
SFR501	87-024-176-080		SEMI-FIXED RESISTOR, 100K
X501	81-592-641-080		CERALOCK 16.93MHZ
X601	87-030-273-010		VIB,XTAL 32.768K5PPM
X602	87-030-376-080		VIB,CER CSA5.76MG200

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
FRONT C.B			
CN620	87-099-757-010		CONN,16P 9604S F
D601	87-A91-172-010		LED, SA36-11HWA-11.0MM RED
D611	87-A40-622-010		LED,L-34HDSL RED
D614	87-A40-622-010		LED,L-34HDSL RED
S601	87-A90-164-080		SW,TACT SKQAB(N)
S602	87-A90-164-080		SW,TACT SKQAB(N)
S603	87-A90-164-080		SW,TACT SKQAB(N)
S604	87-A90-164-080		SW,TACT SKQAB(N)
S605	87-A90-164-080		SW,TACT SKQAB(N)
KEY L C.B			
D641	87-A40-623-010		LED,L-34GDSL GRN
D642	87-A40-623-010		LED,L-34GDSL GRN
S606	87-A90-164-080		SW,TACT SKQAB(N)
S607	87-A90-164-080		SW,TACT SKQAB(N)
S608	87-A90-164-080		SW,TACT SKQAB(N)
KEY R C.B			
S611	87-A90-164-080		SW,TACT SKQAB(N)
S620	87-A90-164-080		SW,TACT SKQAB(N)
S621	87-A90-164-080		SW,TACT SKQAB(N)
MOTOR C.B			
M2	9X-262-576-910		MOTOR GEAR ASSY
PIN3	91-564-722-110		CONNECTOR 6P
SW1	91-572-085-120		LEAF SW
AC C.B			
C901	87-A11-132-080		CAP,TC U 0.01-50 K B
C902	87-A11-132-080		CAP,TC U 0.01-50 K B
C903	87-A11-132-080		CAP,TC U 0.01-50 K B
C904	87-A11-132-080		CAP,TC U 0.01-50 K B
CN910	87-049-919-010		CONN,3P EH V WHT
△F901	87-A90-092-080		PROTECTOR,2.5A 491<HR,HC>

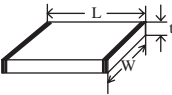


- Regarding connectors, they are not stocked as they are not the initial order items.  
The connectors are available after they are supplied from connector manufacturers upon the order is received.

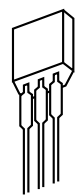
○チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗  
Chip resistor

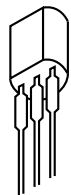
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

## TRANSISTOR ILLUSTRATION



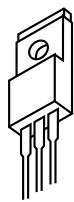
E C B

2SA933  
2SC1740  
DTA144EK  
DTA114TS  
DTC114YS  
DTC124XS



E C B

2SA1015  
2SA1296  
2SA1318  
2SC1815  
2SC1923  
2SC2001  
2SC2878



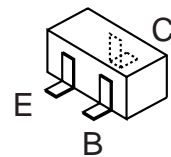
B C E

2SB1370



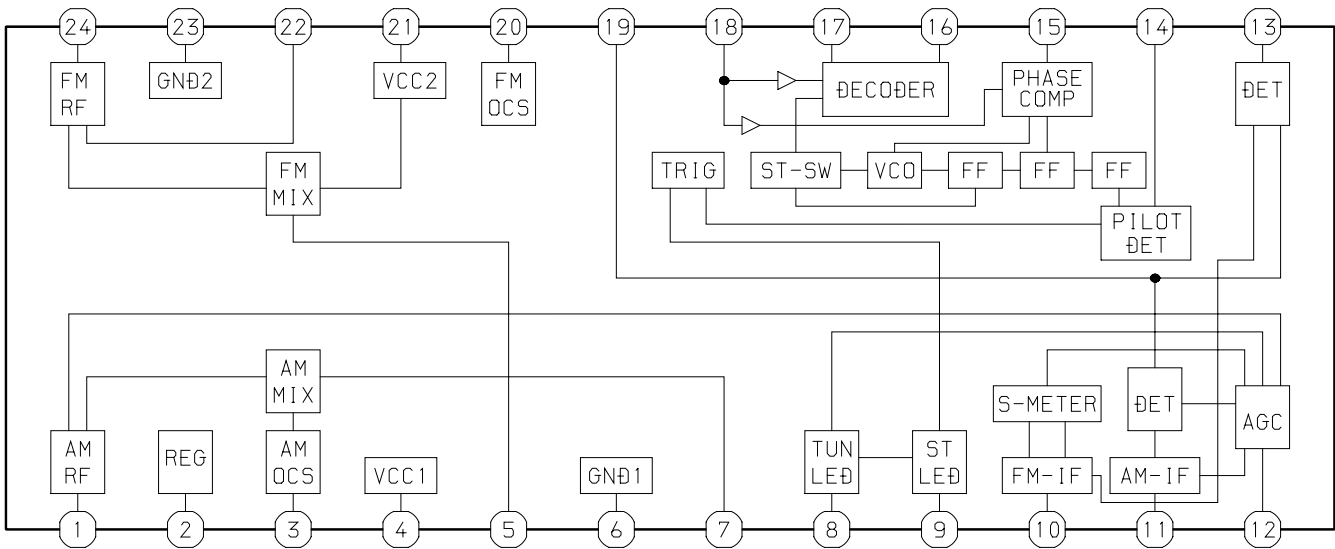
S G D

2SJ103

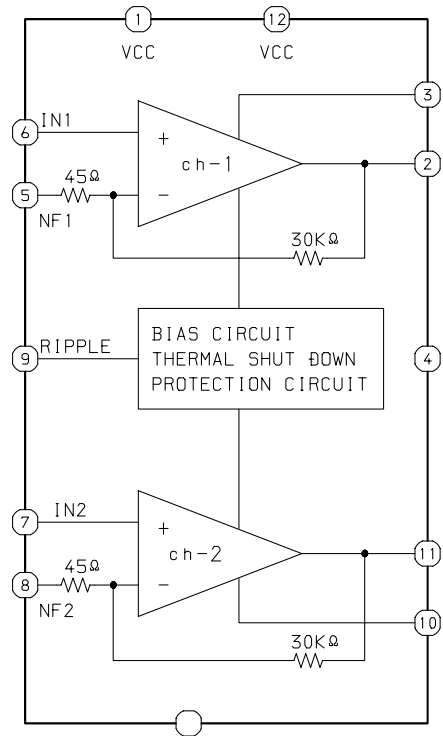


DTC114EK

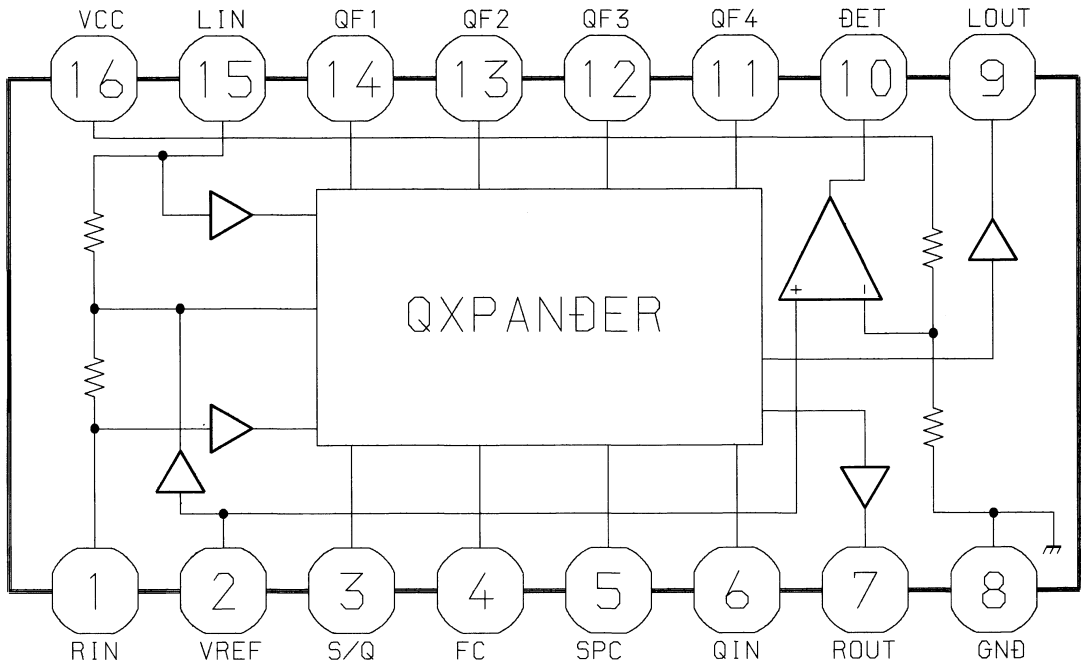
IC BLOCK DIAGRAM  
IC, LA1828



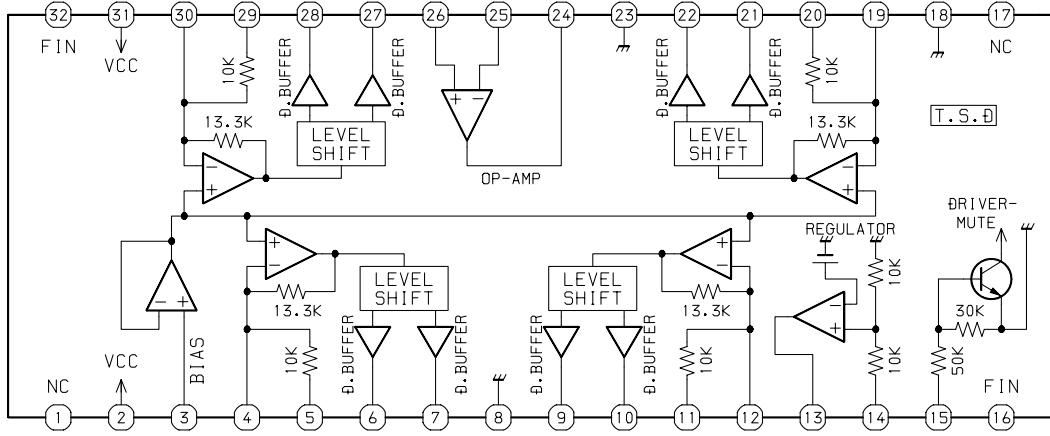
IC, TA8227P



IC, MM1434XF

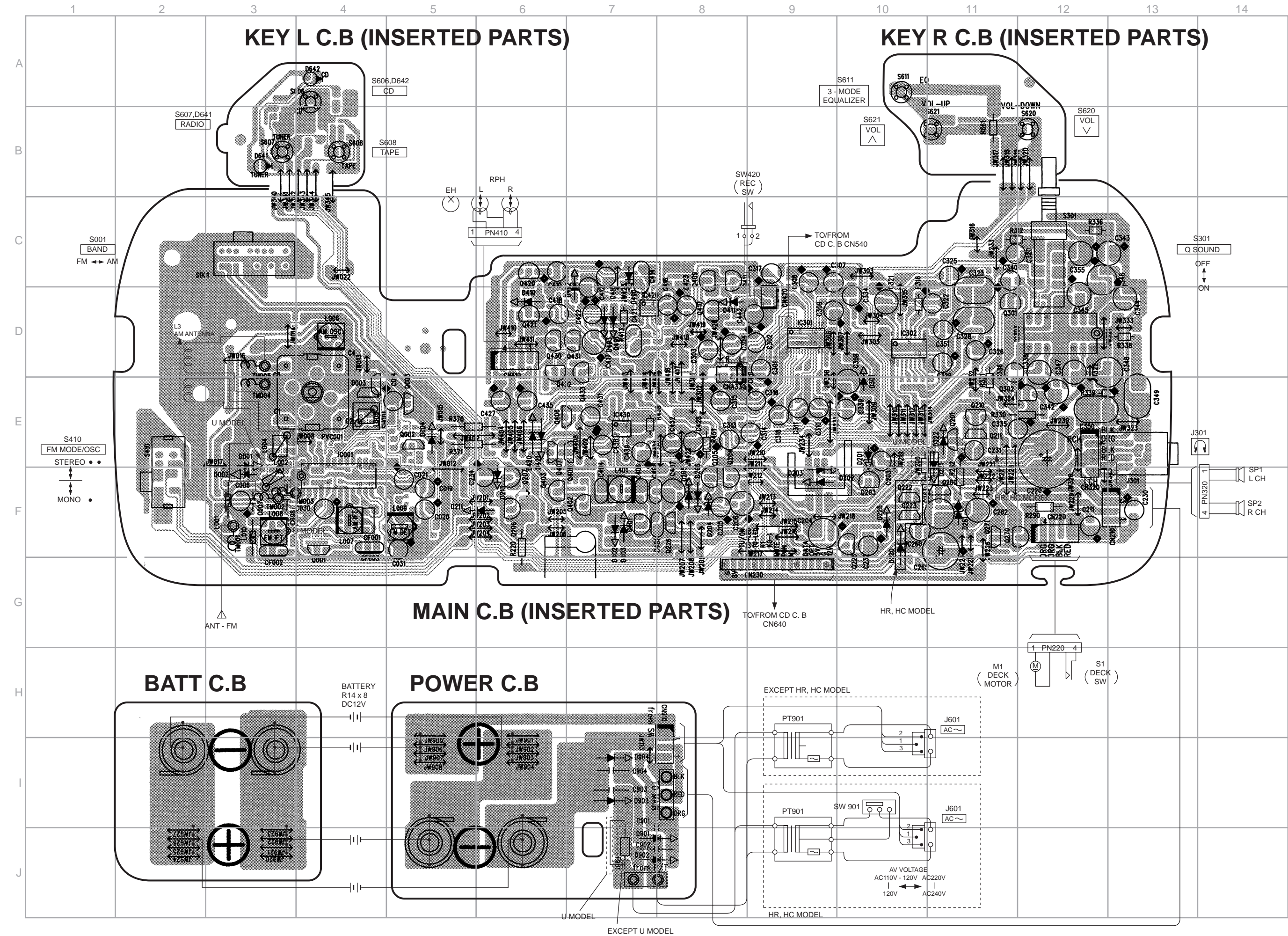


IC, BA6898S



T.S.D:Thermal shift down circuit  
B.BUFFER:Drive Buffer

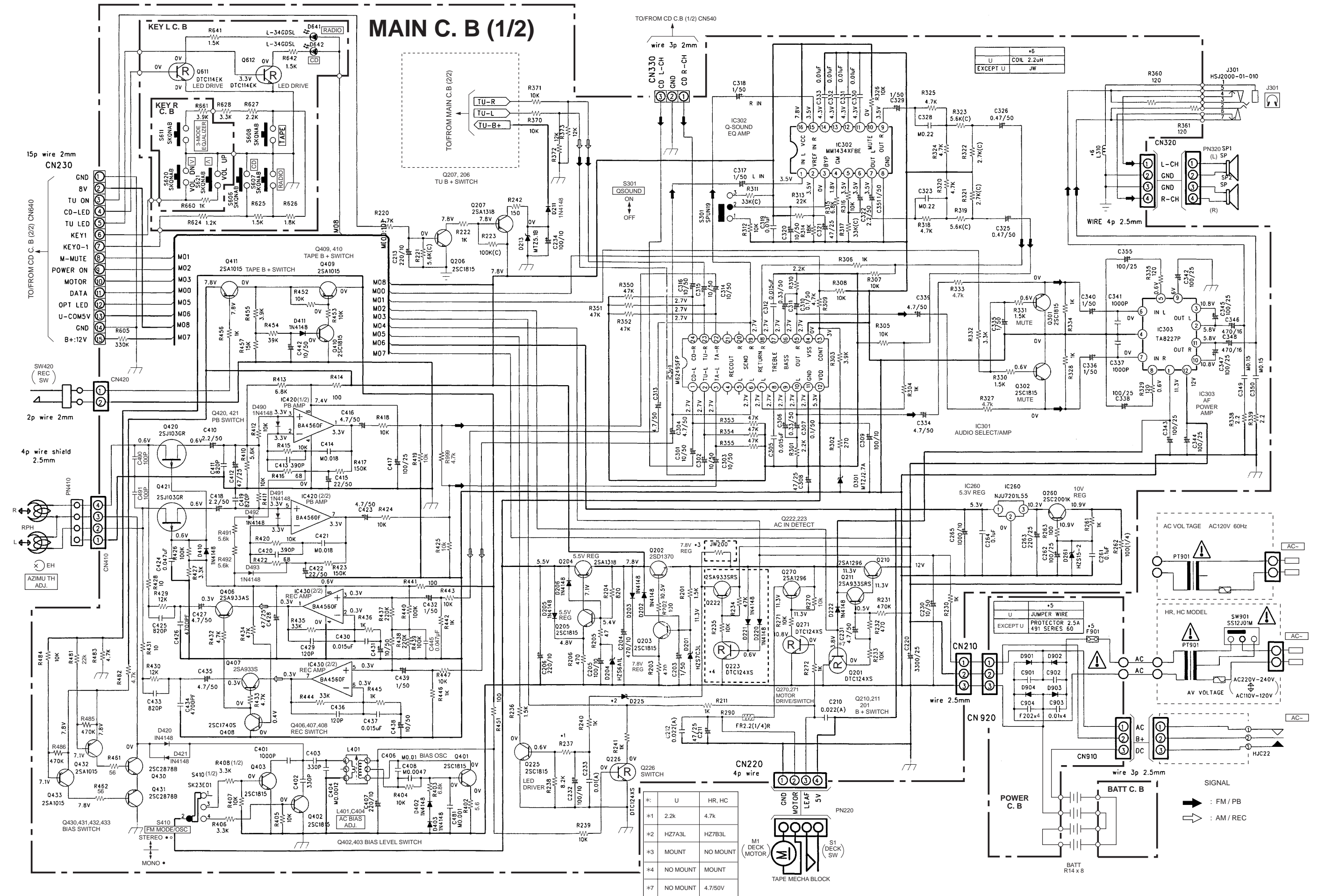


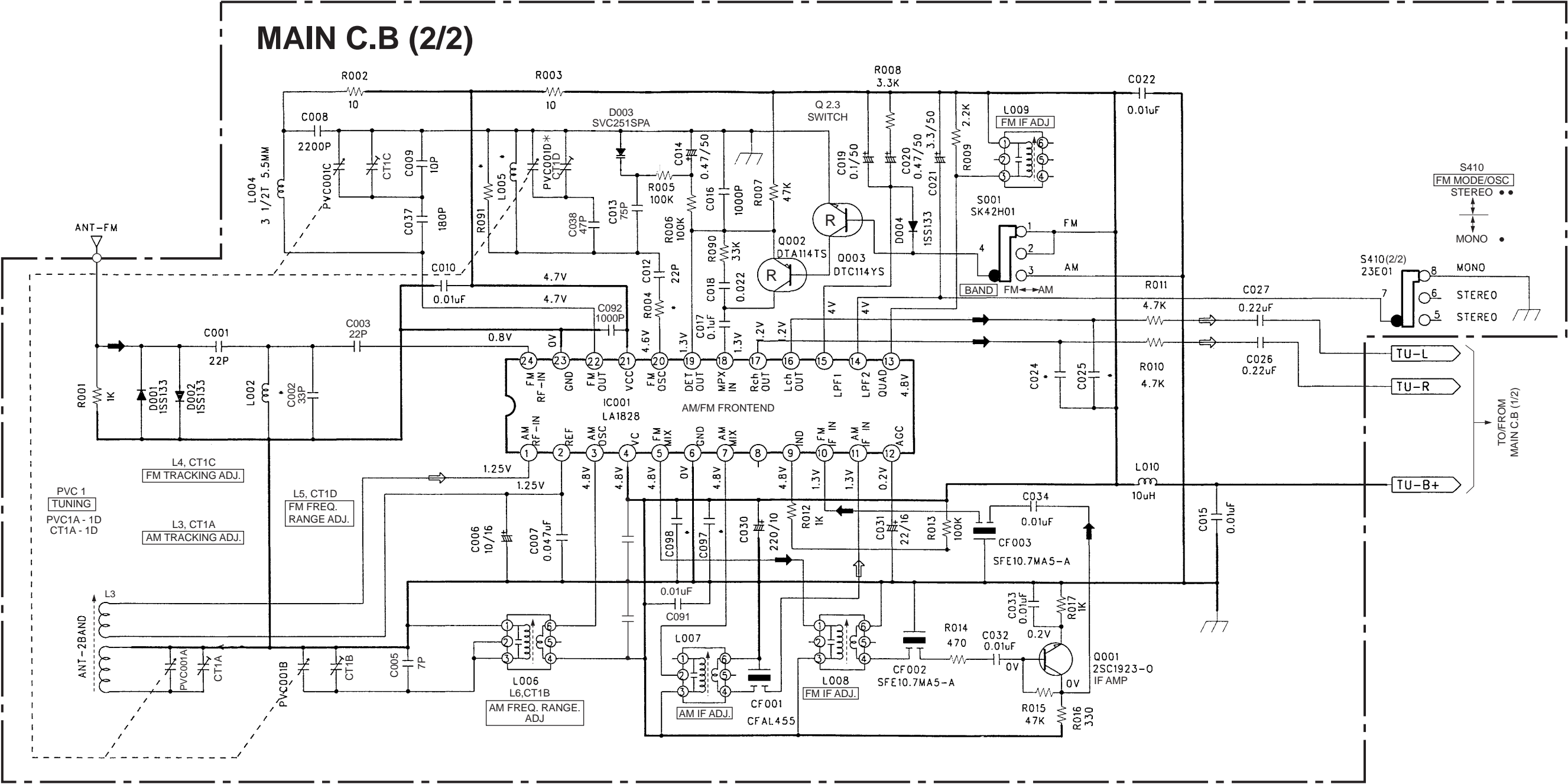












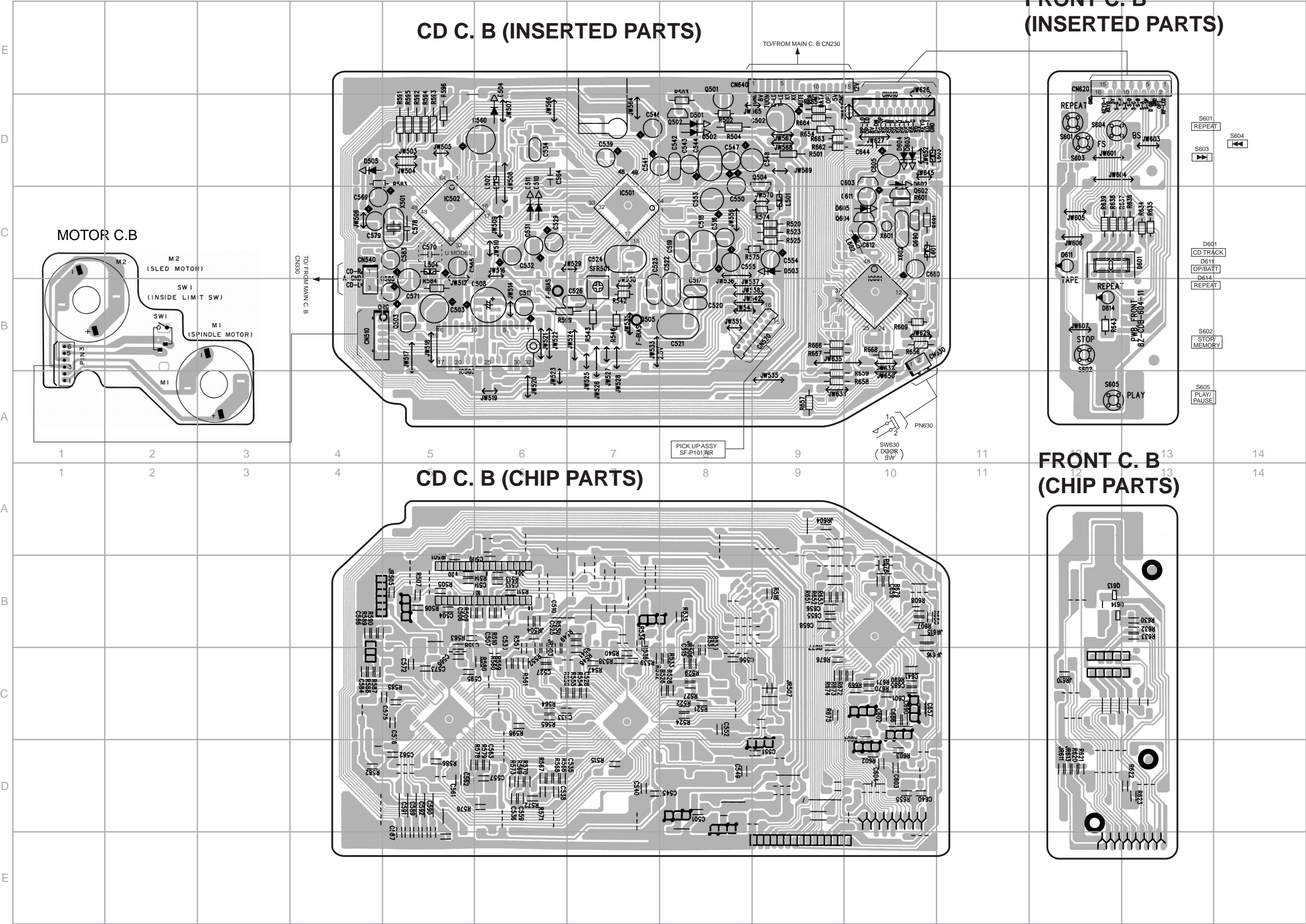
*:	HC, HR	U
C024/C025	0.01uF	6800P
L005	5 1/2T 3.3MM	6 1/2T 3.0MM (WITH SHIELD CASE)
R004	10	22
R091	NM	4.7k
C098	NM	0.01uF
C097	NM	0.01uF
PVC001	140P	160P

*:	HC, HR	U
L002	NM	2 1/2T 5.0MM

SIGNAL

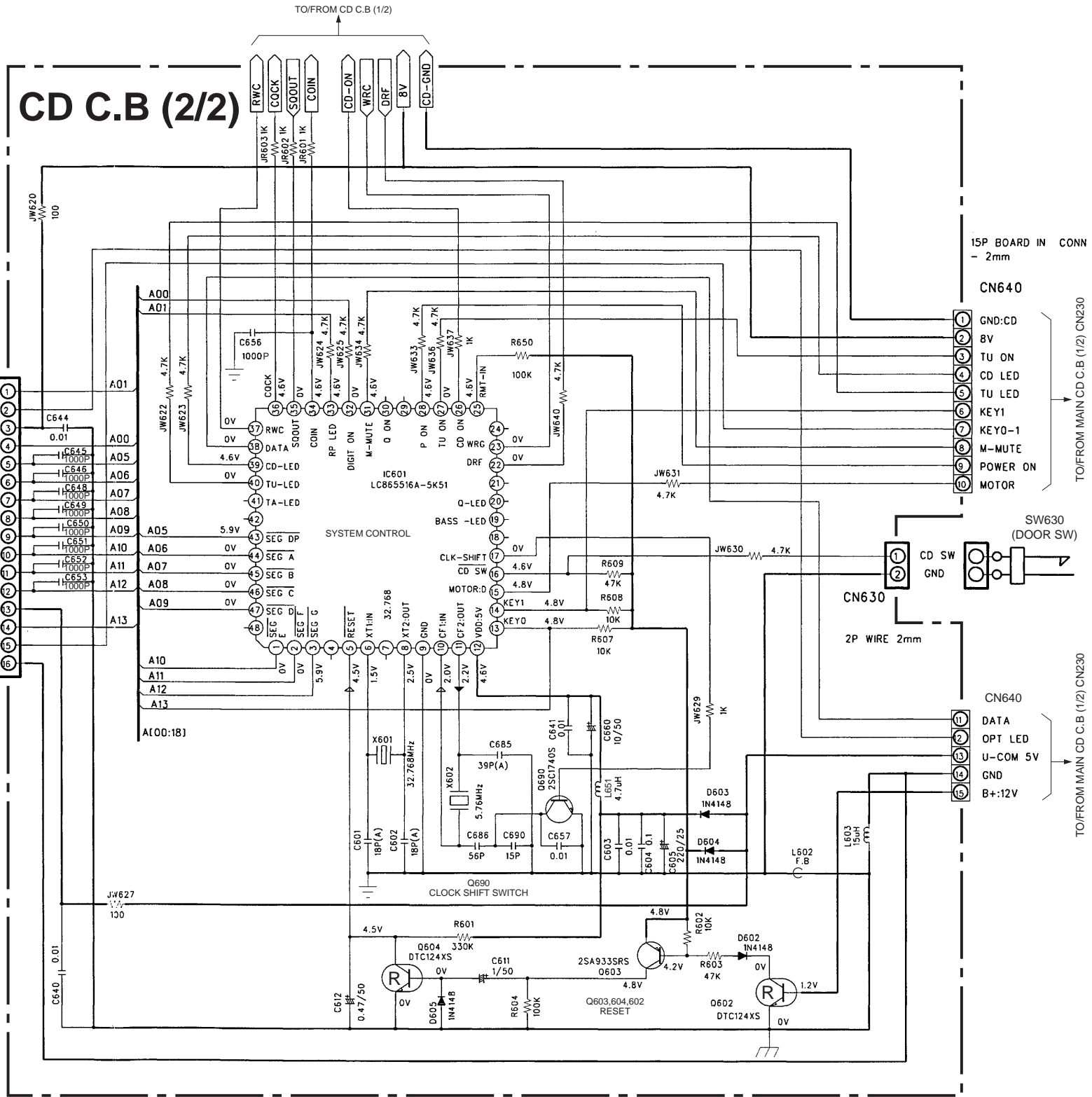
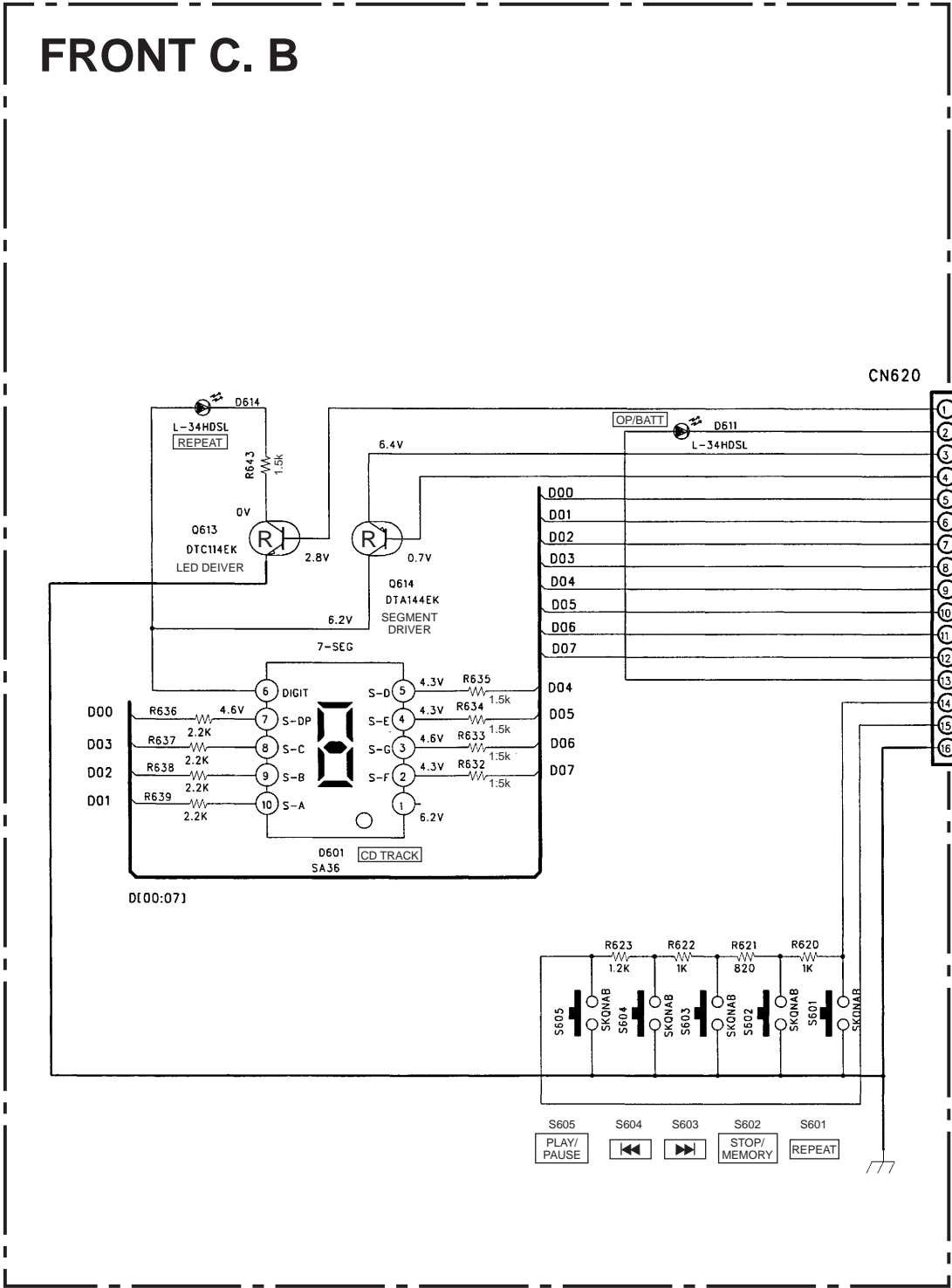
➔ : FM / PB  
➞ : AM / REC



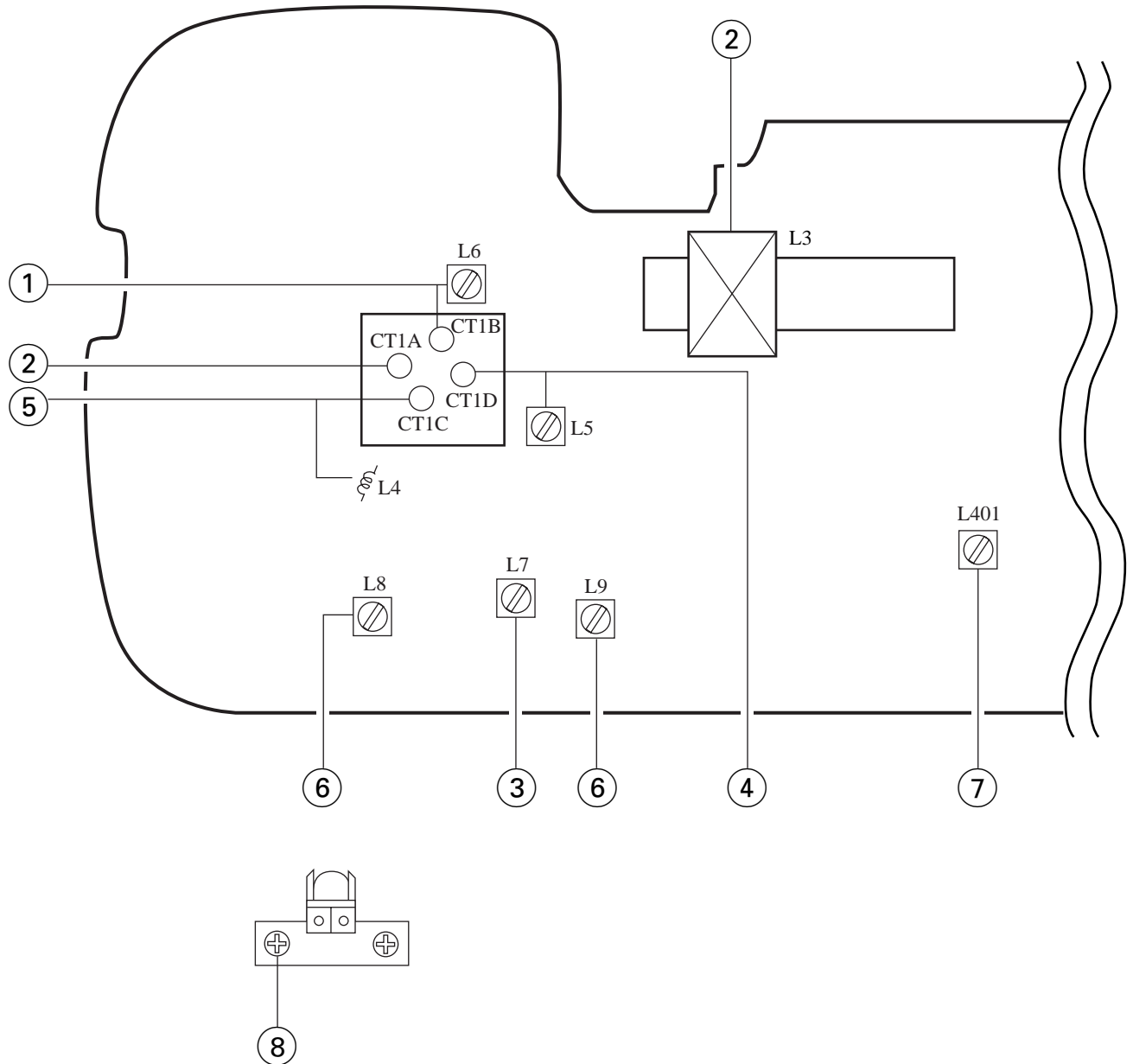








## MAIN C.B



## &lt; RADIO SECTION &gt;

1. AM Frequency Range Adjustment  
 L6 .....  $517 \pm 3\text{kHz}$   
 CT1B .....  $1750 \pm 10\text{kHz}$
2. AM Tracking Adjustment  
 L3 .....  $600\text{kHz}$   
 CT1A .....  $1400\text{kHz}$
3. AM IF Adjustment  
 L7 .....  $455\text{kHz}$
4. FM Frequency Range Adjustment  
 L5 .....  $87 \pm 0.3\text{MHz}$   
 CT1D .....  $109 \pm 0.3\text{MHz}$
5. FM Tracking Adjustment  
 L4 .....  $88\text{MHz}$   
 CT1C .....  $108\text{MHz}$

6. FM IF Adjustment  
 L8, L9 .....  $10.7\text{MHz}$

## &lt; TAPE RECORDER SECTION &gt;

7. Bias Adjustment  
 L401 .....  $60\text{kHz}$
8. Azimuth Adjustment  
 Condition: • Test tape: TTA-320  
               • Test point: PHONES JACK  
               • Adjustment location: Azimuth adjustment screw  
 Method: Play back the test tape and adjust so that the output is maximum.

## PRACTICAL SERVICE FIGURE

### < FM SECTION >

IHF Sensitivity: (THD 3%)	Less than 20dB
Signal to noise ratio: (Input 54dB)	More than 55dB (at 98.0MHz)
Distortion: (Input 54dB)	Less than 2.0% (at 98.0MHz) Less than 5.0% (at 98.0MHz)
Stereo separation:	More than 18dB (at 98.0MHz)
Intermediate frequency:	10.7±0.1MHz

### < AM SECTION >

Sensitivity: (S/N 10dB)	Less than 45dB
Signal to noise ratio: (Input 74dB)	More than 34dB
Distortion: (Input 74dB)	Less than 1.5% (at 1000kHz)
Intermediate frequency:	455kHz

### < DECK SECTION >

Tape speed:	3000Hz±2%
Distortion:	Less than 2.0% (PB) Less than 2.5% (REC)
Signal to noise ratio:	More than 44dB (AC) More than 50dB (DC)
Erasing ratio:	More than 45dB

# IC DESCRIPTION

## IC, LC865508A

Pin No.	Pin Name	I/O	Description
1	O-SEG E	O	SEG E control.
2	O-SEG F	O	SEG F control.
3	O-SEG G	O	SEG G control.
4	—	—	Not used.
5	I-RST	I	Microprocessor reset input.
6	XT1 (IN)	I	Connected to an external 32.768 kHz crystal oscillator.
7	NC	—	Not used.
8	XT2 (OUT)	O	Connected to an external 32.768 kHz crystal oscillator.
9	VSS	—	GND.
10	CF1 (IN)	I	Connected to an external 5.76 MHz ceramic filter.
11	CF2 (OUT)	O	Connected to an external 5.76 MHz ceramic filter.
12	VDD	—	Microprocessor power supply (+5 V).
13	I-KEY0	I	Key AD input. (AD)
14	I-KEY1	I	Key AD input. (AD)
15	I-DECK	I	Deck status input. (AD)
16	I-CD SW	I	CD door switch status input.
17	O-CLK SFT	O	Main clock shift output.
18	NC	—	Not used.
19	O-BASS LED	O	BASS LED ON/OFF control output.
20	O-Qsound LED	O	Q sound LED ON/OFF control output.
21	O-SFT LED	O	Clock shift A standby input.
22	I-DRF	I	CD RF level detection input.
23	I-WRQ	I	CD subcode Q standby input.
24	NC	—	Not used.
25	I-REMO	I	Remote control input.
26	O-CD ON	O	CD power control output.
27	O-TU ON	O	TU power control output.
28	O-P.CONT	O	The main power supply control output.
29	NC	—	Not used.
30	O-Qsound CONT	O	Q sound ON/OFF control output.
31	O-MUTE	O	Main mute output.
32	O-DIGIT	O	7-segment LED power supply control output.
33	O-RP LED	O	REPEAT LED ON/OFF control output.
34	O-COIN	O	CD command output.
35	I-SQOUT	I	CD subcode Q input.
36	O-CQCK	O	CD command/CLK for subcode.
37	O-RWC	O	CD read/write control output.
38	O-DATA	O	Data output to M62439FP.
39	O-CD FUNC LED	O	LED ON/OFF control output for the CD function
40	O-TU FUNC LED	O	LED ON/OFF control output for the TU function
41	O-TA FUNC LED	O	LED ON/OFF control output for the TA function

Pin No.	Pin Name	I/O	Description
42	NC	—	Not used.
43	O-SEG DP	O	SEG DP control.
44	O-SEG A	O	SEG A control.
45	O-SEG B	O	SEG B control.
46	O-SEG C	O	SEG C control.
47	O-SEG D	O	SEG D control.
48	NC	—	Not used.

# IC, LA9241ML

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE–	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES “Track Error Sense” comparator input pin. TE signal is passed through a band-pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD–	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD–	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD– and FA– pins.
19	FA–	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE–	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND	—	Analog signal GND.
23	NC	—	No connection.
24	SP	O	Single ended output of the CV+ and CV– pin input signal.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP–	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL–, SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP–, JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV–, CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS–	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND	—	Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC	—	No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DAT	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode ( $\pm$ search/+ search) select pin.
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

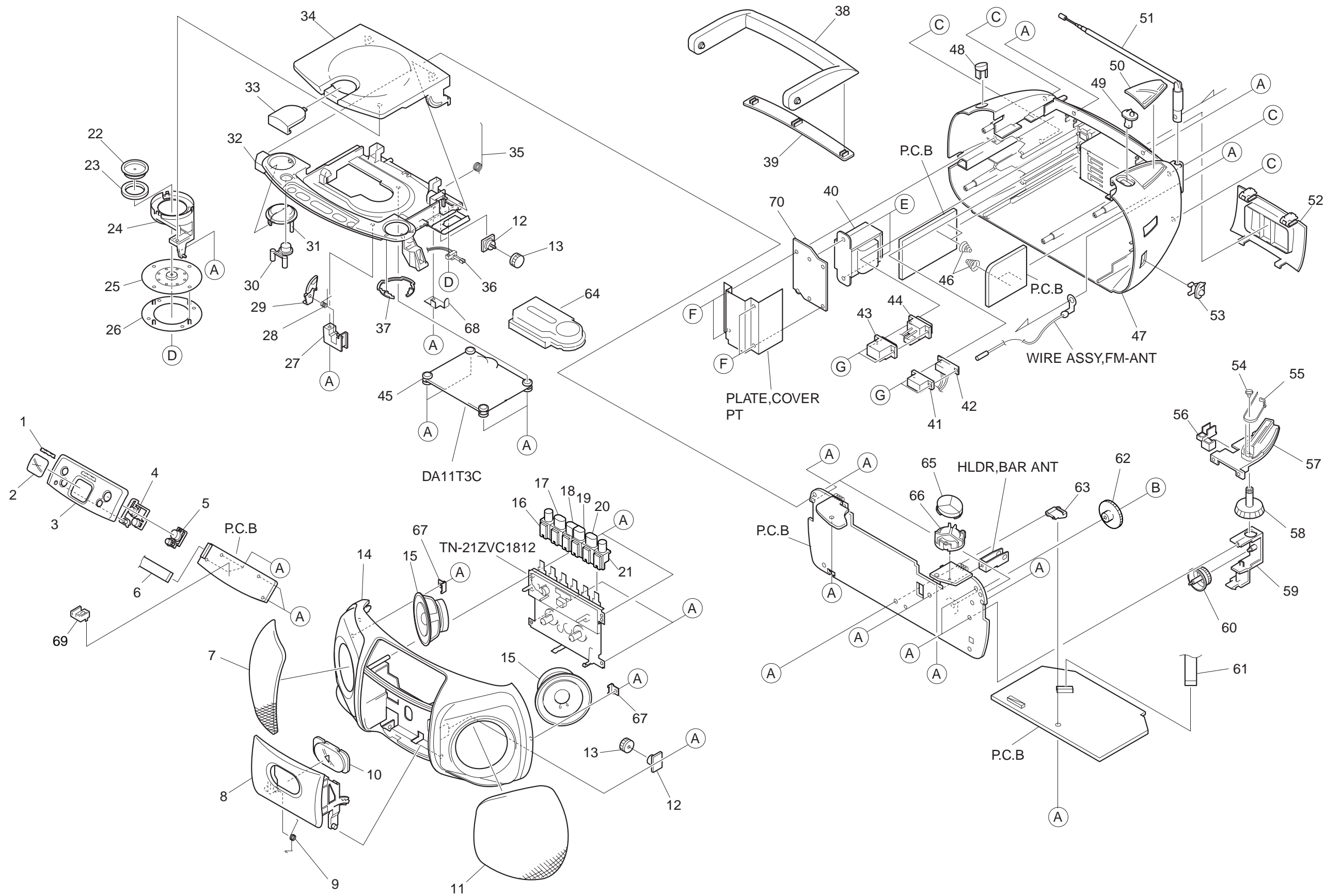


IC, LC78622ED

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used).	
2	TAI	I	For PLL.	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS	—		GND pin for built-in VCO. Be sure to connect to 0V.
5	ISSET	I		Pin to which external resistor adjusting the PD0 output current.
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS	—	Digital system GND. Be sure to connect to 0V.	
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	TEST2	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLV–	O	Disc motor control output. Three level output is possible using command.	
14	V/P	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP–	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and thesync signal which is internally generated agree.	
23	VDD	—	Digital system power supply pin.	
24-28	SL+ - PUIN	I/O	General purpose input/output pin 1 to 5.	The pin is controlled by the serial data command from microprocessor. When the pin is not used, set the pin to the input terminal and connect to 0V, or alternately set the pin to output terminal and leave the pin open.
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format).	
32, 33	TEST3, TEST4	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
34	N.C.	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin.
36	LVDD	—		L-channel power supply pin.
37	LCHO	O		L-channel output pin.
38	LVSS	—		L-channel GND. Be sure to connect to 0V.
39	RVSS	—	R-channel 1-bit DAC.	R-channel GND. Be sure to connect to 0V.
40	RCHO	O		R-channel output pin.
41	RVDD	—		R-channel power supply pin.
42	MUTER	O		R-channel mute output pin.

Pin No.	Pin Name	I/O	Description
43	XVDD	—	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin.
48	EFLG	O	C1, C2, single and dual correction monitoring pin.
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use.)
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator.
53	WRQ	O	Subcode Q output standby output pin.
54	RWC	I	Read/write control input pin. Schmidt input.
55	SQOUT	O	Subcode Q output pin.
56	COIN	I	Command input pin from microprocessor.
57	CQCK	I	Command input read clock or subcode read input clock from SQOUT pin
58	RES	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.
59	TST11	O	Test signal output pin. Use this pin as open (normally L output).
60	16M	O	16.9344 MHz output pin.
61	4.2M	O	4.2336 MHz output pin.
62	TEST5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
63	CS	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.
64	TEST1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

**Note:** The same potential must be applied to the respective power supply terminals. (VDD, VVDD, LVDD, RVDD, XVDD)



## MECHANICAL PARTS LIST 1/1

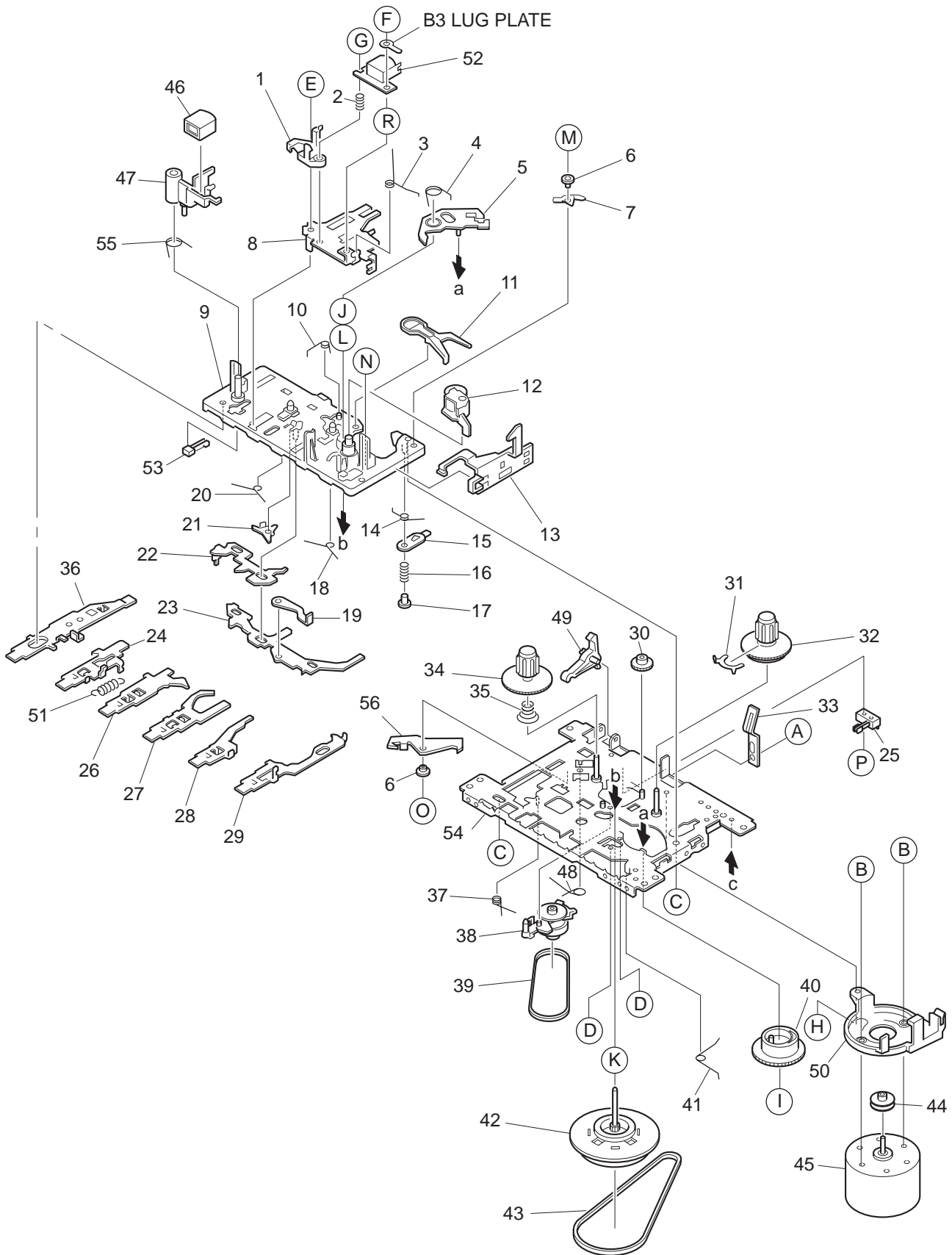
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	84-CD8-083-010		BADGE,AIWA 30.5-5.2 2.5LEAD	△	42	87-A90-146-010	SW,SL 1-1-2<HR,HC>
2	8Z-CDB-004-010		WINDOW,LED(EX)<HR,HC>	△	43	88-CD9-207-010	COVER, AC SOCKET
2	8Z-CDB-046-010		WINDOW,LED(U)<U>	△	44	87-A60-178-010	JACK,AC E W/SW<HR,HC>
3	8Z-CDB-042-010		PANEL,FRONT(U)	△	44	87-A60-177-010	JACK,AC U W/SW<U>
4	8Z-CDB-026-010		KEY,CD A		45	88-CT6-206-010	CUSHION,CD
5	8Z-CDB-027-010		KEY,CD B		46	88-CD8-209-010	SPR-C,BATT
6	8Z-CDB-625-010		FF-CABLE, 16P 1.25 240MM FRONT		47	8Z-CDB-041-010	CABI,REAR(U)<U>
7	8Z-CDB-012-010		GRILLE,SPKR L<U>		48	8Z-CDB-024-010	KEY,Q-SOUND
7	8Z-CDB-095-010		GRILLE,SPKR R (GRAY)<HR,HC>		49	8Z-CDB-028-010	KNOB,SL BAND
8	8Z-CDB-006-010		LID,CASS		50	8Z-CDB-056-010	WINDOW,TU(HR)<HR,HC>
9	8Z-CDB-210-010		SPR-T,LID CASS		50	8Z-CDB-045-010	WINDOW,TU(U)<U>
10	8Z-CDB-008-010		WINDOW,CASS		51	87-043-116-010	ANT,WHIP
11	8Z-CDB-094-010		GRILLE,SPKR L (GRAY)<HR,HC>		52	8Z-CDB-007-010	LID,BATT
11	8Z-CDB-013-010		GRILLE,SPKR R<U>		53	8Z-CDB-029-010	KNOB,SL ST/MN
12	84-CD5-216-010		BRACKET		54	8Z-CDB-218-010	W, TUNING
13	84-CD5-215-010		GEAR		55	8Z-CDB-035-010	POINTER,TUNNING
14	8Z-CDB-001-010		CABI,FRONT		56	8Z-CDB-222-010	PLATE,FM
15	88-CD8-622-010		SPKR,F 77 70HM 3W		57	8Z-CDB-209-010	HLD, BAND
16	8Z-CDB-019-010		KEY,CASS PAUSE		58	8Z-CDB-030-010	KNOB,RTRY TU
17	8Z-CDB-021-010		KEY,CASS STOP		59	8Z-CDB-206-010	HLD, PVC
18	8Z-CDB-022-010		KEY,CASS FF		60	8Z-CDB-220-010	GEAR,TUNING
19	8Z-CDB-023-010		KEY,CASS REW		61	8Z-CDB-623-010	FF-CABLE, 16P 1.0 140MM CD-RF
20	8Z-CDB-020-010		KEY,CASS PLAY		62	8Z-CDB-205-010	GEAR,PVC
21	8Z-CDB-018-010		KEY,CASS REC		63	8Z-CSA-202-010	HLD, PCB
22	84-CT5-209-010		PLATE,MAGNET		64	8Z-CDB-169-010	PANEL,CD SANYO
23	87-036-368-010		MAGNET		65	8Z-CDB-048-010	KEY,FUNCT(U)
24	8Z-CDB-215-010		HLD, LID CD		66	8Z-CDB-204-010	HLD, KEY FUNC
25	8Z-CDB-170-010		BASE,CHUCK		67	8Z-CDB-208-010	HLD, SPKR
26	88-CD9-211-010		RING,CHUCK		68	88-CD8-222-010	SPR-P,DAMP CD
27	87-CD7-207-010		HLD, LOCKER		69	8Z-CDB-207-010	HLD, LED
28	82-CD8-212-010		SPR-T,CAM CD		70	8Z-CDB-227-010	HLD, PT
29	87-CD7-206-010		DOOR,CD LOCKER		A	87-261-096-410	SCREW,V+3-10 GLD
30	8Z-CDB-025-010		KEY,EQ		B	87-751-034-410	SCREW VT2+2-5
31	8Z-CDB-016-010		KEY,VOL		C	87-745-094-410	UT2+3-6
32	8Z-CDB-047-010		CHAS,CD(U)		D	87-651-035-410	VT1 2-6 GLD
33	8Z-CDB-009-010		WINDOW,CD		E	87-661-096-410	SCREW,VFT1+3-10
34	8Z-CDB-005-010		LID,CD		F	87-741-096-410	UT2+3-10
35	8Z-CDB-211-010		SPR-T,LID CD		G	87-741-074-410	UT2+2.6-8
36	81-590-677-010		SWITCH LEAF				
37	8Z-CDB-037-010		LENS,LED				
38	8Z-CDB-014-010		ARM,MAIN HANDL				
39	8Z-CDB-015-010		COVER, HANDLE				
40	8Z-CDB-622-010		PT,H<HR,HC>				
40	8Z-CDB-620-010		PT,U<U>				
41	87-A90-147-010		COVER,AC SEL SW<HR,HC>				

## COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

# TAPE MECHANISM EXPLODED VIEW 1/1

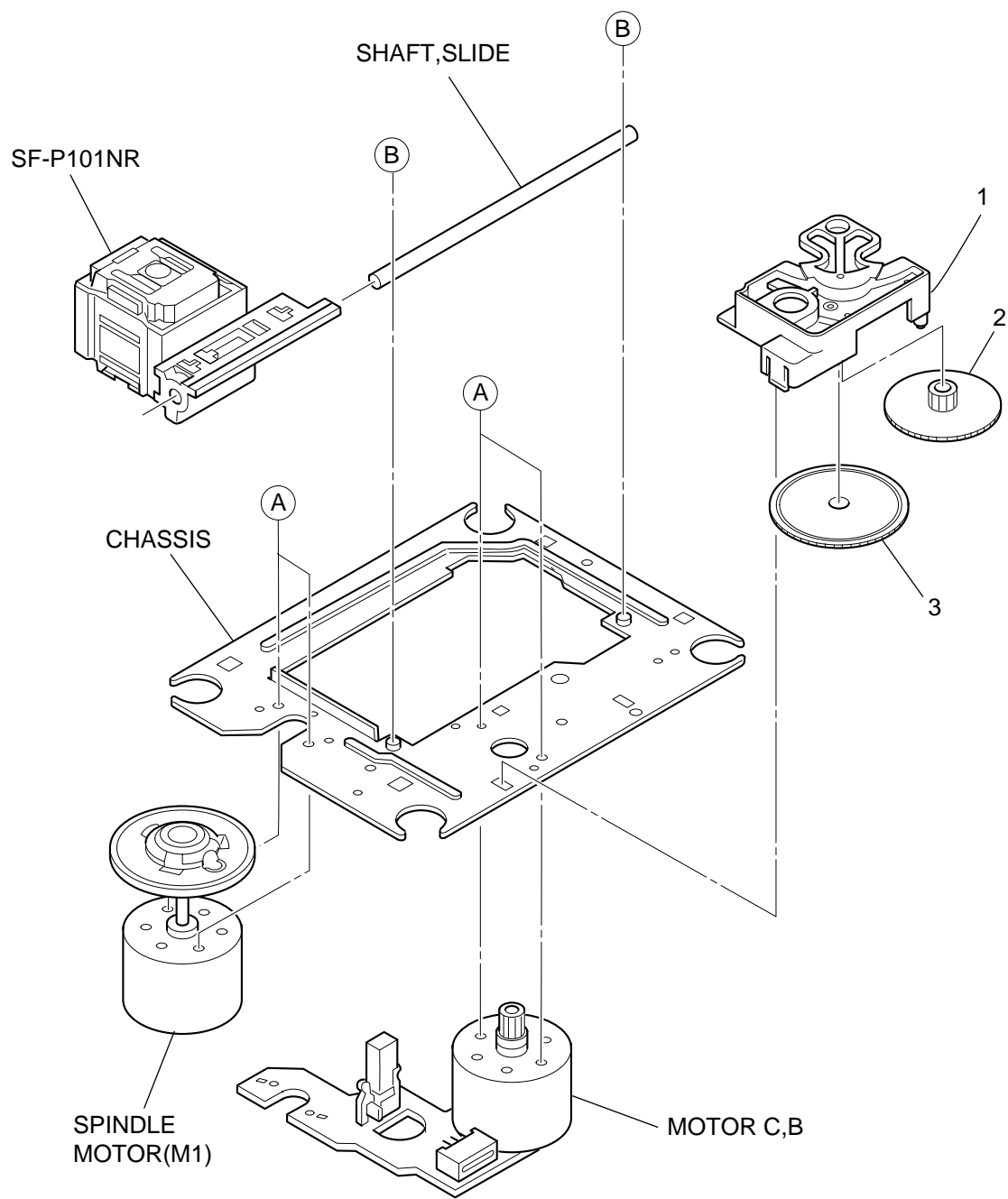


## TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE	41	S1-921-140-160		E ACTUATOR SPRING
2	S1-821-030-070		AZIMUTH SPRING	42	S1-921-093-030		FLYWHEEL ASSY
3	S1-921-030-090		PANEL P SPRING	43	S1-921-090-040		MAIN BELT
4	S1-921-260-050		GEAR PLATE SPRING	44	S1-921-120-010		MOTOR PULLEY
5	S1-921-265-020		GEAR PLATE ASSY	45	S6-002-030-220		MOTOR EG530AD-2B
6	S1-921-140-370		P ARM COLLER	46	S6-209-100-100		E HEAD PH-K380-MS1
7	S1-921-140-340		P ARM	47	S1-921-030-050		MG ARM
8	S1-921-030-110		HEAD PANEL	48	S1-921-140-210		REC BUTTON LEVER SPRING
9	S1-921-143-160		BASE ASSY	49	S1-821-100-690		RECORD SAFETY LEVER
10	S1-921-141-8A0		M CONTROL SPRING	50	S1-821-128-9A0		MOTOR BRACKET
11	S1-921-260-4A0		SENSING LEVER	51	S1-821-010-500		PLAY BUTTON LEVER SPRING
12	S1-921-043-100		PINCH ROLLER ARM ASSY	52	S6-201-011-110		HEAD,RP7442ES-0951
13	S1-921-130-010		EJECT SLIDE LEVER	53	S6-401-011-520		LEAF SW MSW-1541F
14	S1-921-141-3A0		P CONTROL SPRING	54	S1-921-015-010		CHASSIS ASSY
15	S1-921-140-550		PAUSE LEVER(E)	55	S1-921-030-100		MG ARM SPRING
16	S1-921-140-120		PAUSE LEVER SPRING	56	S1-921-020-010		REC ARM
17	S1-921-140-110		PAUSE STOPPER	A	S9-P04-200-310		C TAPPING SCREW 2-3
18	S1-921-140-150		BUTTON LEVER SPRING(B)	B	S1-921-120-020		MOTOR COLLER SCREW
19	S1-821-011-590		E KICK LEVER	C	S9-B10-200-510		P TAPPING BIND SCREW M2-5
20	S1-921-140-140		BUTTON LEVER SPRING(A)	D	S9-C07-204-510		SCREW,TAPPING(CAMERA)M2-4.5
21	S1-921-140-200		PR STOPPER	E	S9-P01-200-610		SCREW,M2-6
22	S1-921-140-090		SWITCH ACTUATOR	F	S9-P01-200-310		SCREW,M2-3
23	S1-921-140-080		PUSH BUTTON ACTUATOR	G	S9-F08-200-710		AZIMUTH SCREW M2-7
24	S1-921-140-190		PLAY BUTTON LEVER	H	S1-921-120-030		MB SCREW
25	S6-401-010-380		LEAF SWITCH MSW-1275	I	S9-W02-300-100		P WASHER CUT 1.2-3.8-0.3
26	S1-921-140-040		REW BUTTON LEVER	J	S9-W02-500-100		P WASHER CUT 1.45-3.8-0.5
27	S1-921-140-050		FF,BUTTON LEVER	K	S9-W01-400-100		P WASHER 2-3.5-0.4
28	S1-921-140-060		STOP BUTTON LEVER	L	S9-W01-130-200		P WASHER 2.1-4-0.13
29	S1-921-140-600		PAUSE BUTTON LEVER	M	S9-P08-203-010		PS TAPPING SCREW M2-3
30	S1-821-100-700		FF GEAR	N	S9-P05-200-810		SCREW,S TAP 2-8
31	S1-921-050-060		SENSOR	O	S9-P04-200-410		C TAPPING SCREW M2-4
32	S1-921-053-030		TAKE UP REEL ASSY	P	S9-P04-200-510		C TAPPING SCREW M2-5
33	S1-829-100-010		PACK SPRING	R	S9-W13-000-100		Y WASHER PB 0.1T
34	S1-921-053-040		SUPPLY REEL ASSY				
35	S1-821-100-990		BACK TENSION SPRING				
36	S1-921-140-030		REC BUTTON LEVER				
37	S1-921-140-170		P.S.LEVER SPRING				
38	S1-921-073-040		RF CLUTCH ASSY				
39	S1-921-070-030		RF BELT				
40	S1-921-260-020		CAM GEAR				

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S2-121-A28-400		COVER GEAR
2	S2-511-A21-000		GEAR MIDDLE
3	S2-511-A21-100		GEAR, DRIVE
A	S1-PN2-03R-0SE		SCR PAN PCS 2-3
B	87-261-073-410		SCR S-TPG FLT 2.6-6

## ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
⚠	1	87-A80-081-010	AC CORD SET ASSY,EZ BLK<HRJS>
⚠	1	87-A80-089-010	AC CORD SET,HC<HCS>
⚠	1	87-A80-109-010	AC CORD,HK7281 BLK U<U2S>
	2	8Z-CDB-937-010	IB,H(EC-K)B<HCS>
	2	8Z-CDB-917-010	IB,H(ECA)B<HRJS>
	2	8Z-CDB-915-010	IB,U(ESF)B<U2S>
⚠	3	87-099-789-010	PLUG,ADPTR IR44<HRJS>

